Chemical Cleaning Services

Process Chemicals have a safe cost effective solution for any In Plant, Pre-Commission Chemical Clean and Passivation Project.

Chemical Cleaning can be applied for a variety of reasons to descale, degrease, degas, passivate or just cleaning of equipment prior to dismantling.

Process Chemicals have the trained skilled personnel to provide field technical service and advice on your chemical cleaning requirements.

Our Modern Chemical cleaning methods will, Decrease Plant Production Down Time, Decrease Cleaning Costs, Increase Equipment Operating Efficiency and Preserve the Life Span of Equipment.

In Service Boiler Descaling and Degreasing

For efficient functioning of a boiler system maximum heat transfer is required. Scaled boiler tubes, steam piping or feed water system piping result in poor heat transfer and decreased efficiency. Fuel Costs are increased, with possibility of corrosion and tube failures.

Chemical Cleaning through acid cleaning or alkaline boil outs will descale and degrease the boiler and the outcome will be increased heat transfer, efficiency and lower operating costs.

Boiler Pre Commissioning

Pre Commissioning cleaning of boilers to remove surface rust, mill scale, oils and greases is a necessity to prevent start up and operating failures.

Our efficient and effective process for new boiler Chemical Cleaning performs this faster, safer and with less environmental waste.

A good chemical clean will have your package commissioned with less steam blows and treatment.

Our Range of Chemical Cleaning equipment and services are available for the largest power plant boiler to the smallest package boiler.

Stainless Steel and Corrosion Resistant Alloys (CRA)

Typically when stainless steels are heated during the manufacturing process and during welding for example, causes the normal complex chromium iron oxide present on the surface of all stainless steels to increase in thickness and pitting corrosion is a possible result.

It is therefore important to remove this layer, including a small amount of parent material under the oxide layer in order to restore the pitting resistance and passivate the surface.

This is achieved by pickling, the most effective method, and solutions used are based on nitric acid with hydrofluoric acid additions.

Process Chemicals have developed a safe effective handling method for the application of these harsh chemicals, particularly for the following circuits:

- De-Salination Piping Systems
- Sewerage Piping Systems
- Sub Sea Piping Systems
Quality

Process Chemicals Chemist and Engineers will work with the client to establish the best solution for their Chemical Cleaning needs by sampling, analysis and design.

Quality Control During the Chemical Cleaning process shall be established by comprehensive project specific procedures and inspection and test plans, continued sampling and system monitoring from commencement of work scope through to the management for disposal of waste solutions.